



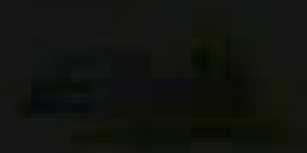
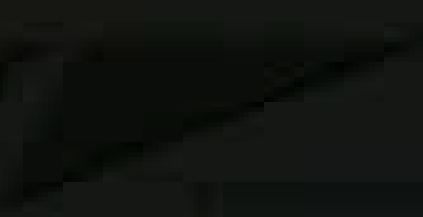
HERMES 180

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Marketing Director



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Silver
Arrow



Presents

HERMÈS 180

Maiden Flight
15.9.02

HERMES 180 Design Drivers



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SYSTEMS, INC.

HERMES 180 Design Drivers

**Reconfiguration rather than a
new design**
**Configured to meet Brigade to
Division Requirements**

**Low Risk,
High VFM**

**Robustness / Weather
Resistance**

**Intra-Operability
& Interoperability**

**Rapid Deployment
by C-130**



**No compromise on endurance:
Less L&R effort,
multiple missions sorties,
longer / remote missions achievable**

**No compromise on High Quality
Payloads (weight, volume, power):
IMINT quality, SAR/GMTI capability,
survivability by 'standoff' flight**

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HERMES 180



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HERMES 180

Icing Resistance

- Icing Sensor
- Pitot Heating
- Active De-Icing by Role-Fit
- Propeller protected by oil

Platform:

- Ceiling > 15,000 ft
- Endurance > 10 h
- Light Weight, Composite Material Structure
- Installation Space

Avionics:

- Dual Redundant Avionics
- MIC-FFC Architecture
- Modern, reduced-size & Weight Hw Design based on proven HERMES avionics.

Parachute:

- Parachute Recovery
- Emergency Recovery
- Wheeled or Air-bags Configuration



Engine (UEL 741)

- Proven & Mature
- High Power/weight Ratio
- Low Fuel Consumption
- UK Design & Production

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Multiple, Field Configurable L&R Methods



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Multiple, Field Configurable L&R Methods

Air-Bags Configuration

Launch by Hydraulic Launcher; Recovery by Parachute and Air-Bags



Wheeled Configuration (1)

Rail Launch & ATOL Landing as main method. Only 100m rough strip is required.

- Minimize Parachuting
- Shorter Turn-Around time and effort
- Adequate for many peacetime / training / Wartime situations

Wheeled Configuration (2)

Wheeled, Automatic Takeoff and Landing.

- Adequate for situations where longer strip is available
- No launcher required

Sensor to Shooter Provisions



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Sensor to Shooter Provisions

High Accuracy target location
(INS, LRF, processing)

Coordination with Pilots /
Artillery



Triple sensors
Payload: CCD, FLIR,
Laser Designator

C⁴I Integration

Accurate Artillery Adjustment

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